



Nokia AC-16U USB Power Adapter Teardown

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INTRODUCTION

Let's look inside this hockey puck shaped wall adapter. This is an older USB AC wall adapter, not Level VI efficient, and discontinued.

Step 1 — Crack Open The Case



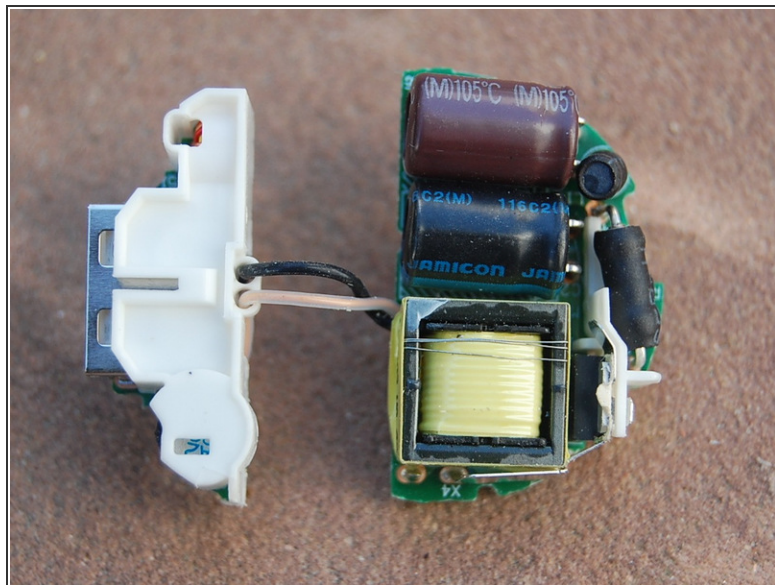
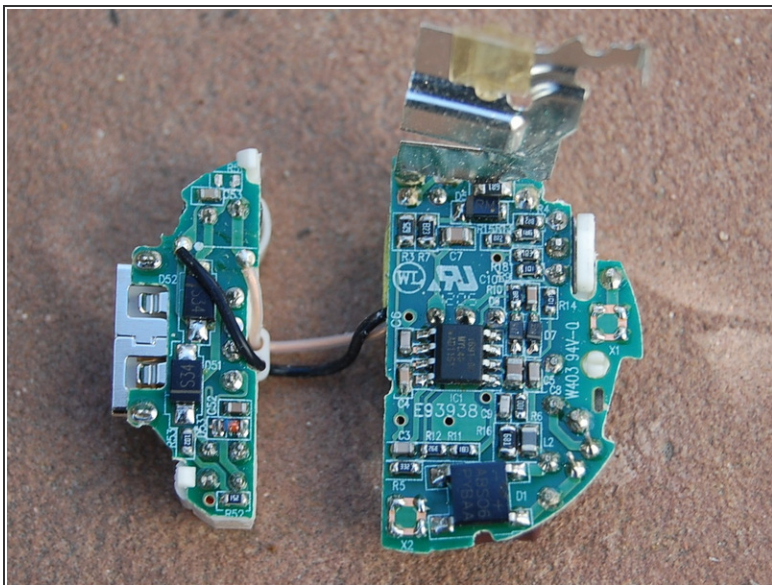
- This power supply is slim and unusually attractive.
- That white case is 39mm in diameter, and 15mm thick: pretty small for this power level (see heat sinks later).
- The case is glued together, so you're not going to get into this one cleanly. I sawed a slot in the side, and used a screwdriver to crack the glue.

Step 2 — What's Inside?



- The wall power pins lead to two spring contacts.
- There's a plastic barrier between the low voltage and high voltage sides (you can't get much better than that!).

Step 3 — How about some detailed PCB Photos?



- Pretty tight layout.
- Note the heat sink with thermal interface material, and the landing pads for the line voltage springs.

To reassemble your device, follow these instructions in reverse order.

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